



Docket No.: 432.002/10101579

(PATENT)

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of:  
Dr. Igor A. Krichtafovitch, et al.

Application No.: 09/419,720

Group Art Unit: 2821

Filed: October 14, 1999

Examiner: E. Alemu

For: ELECTROSTATIC FLUID ACCELERATOR

INFORMATION DISCLOSURE STATEMENT (IDS)

Commissioner for Patents  
Washington, DC 20231

Dear Sir:

Pursuant to 37 CFR 1.56, the attention of the Patent and Trademark Office is hereby directed to the references listed on the attached PTO/SB/08. It is respectfully requested that the information be expressly considered during the prosecution of this application, and that the references be made of record therein and appear among the "References Cited" on any patent to issue therefrom.

This Information Disclosure Statement is filed before mailing of any Final Action, Notice of Allowance, or an *Ex parte Quayle* Action.

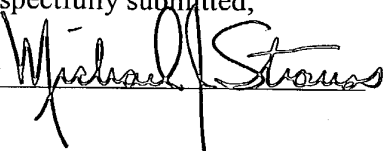
A copy of each reference on PTO/SB/08 is attached.

The Commissioner is hereby authorized to charge the \$180.00 fee or any underpayment, or credit any overpayment, to our Deposit Account No. 06-2375, under Order No. 432.002/10101579. A duplicate copy of this paper is enclosed.

Dated: September 20, 2002

Respectfully submitted,

By

A handwritten signature in black ink, appearing to read "Michael J. Strauss", written over a horizontal line.

Michael J. Strauss  
Registration No.: 32,443  
FULBRIGHT & JAWORSKI L.L.P.  
Market Square  
801 Pennsylvania Avenue, N.W.  
Washington, DC 20004-2615  
(202) 662-0200  
(202) 662-4643 (Fax)  
Attorneys for Applicant



PTO/SB/08A (10-01)

Approved for use through 10/31/2002.OMB 0651-0031

U. S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/PTO

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(use as many sheets as necessary)

**Complete if Known**

|                        |                            |
|------------------------|----------------------------|
| Application Number     | 09/419,720                 |
| Filing Date            | October 14, 1999           |
| First Named Inventor   | Dr. Igor A. Krichtafovitch |
| Art Unit               | 2821                       |
| Examiner Name          | E. Alemu                   |
| Attorney Docket Number | 432.002/10101579           |

Sheet

1

of

3

**U.S. PATENT DOCUMENTS**

| Examiner<br>Initials* | Cite<br>No. <sup>1</sup> | Document Number |                                   | Publication Date<br>MM-DD-YYYY | Name of Patentee or Applicant<br>of Cited Document | Pages, Columns, Lines,<br>Where Relevant<br>Passages or Relevant<br>Figures Appear |
|-----------------------|--------------------------|-----------------|-----------------------------------|--------------------------------|--|--|
|                       |                          | Number          | Kind Code <sup>2</sup> (if known) |                                |  |  |
|                       | AA                       | 1,888,606       |                                   | 11/22/1932                     | Nesbit   |  |
|                       | AB                       | 2,949,550       |                                   | 08/16/1960                     | Brown  |  |
|                       | AC                       | 3,108,394       |                                   | 10/29/1963                     | Ellman, et al.                                     |  |
|                       | AD                       | 3,267,860       |                                   | 08/23/1966                     | Brown  |  |
|                       | AE                       | 3,374,941       |                                   | 03/26/1968                     | Okress   |  |
|                       | AF                       | 3,518,462       |                                   | 06/30/1970                     | Brown  |  |
|                       | AG                       | 3,582,694       |                                   | 06/01/1971                     | Gourdine   |  |
|                       | AH                       | 3,638,058       |                                   | 01/25/1972                     | Fritzius   |  |
|                       | AI                       | 3,675,096       |                                   | 07/04/1972                     | Kiess  |  |
|                       | AJ                       | 3,699,387       |                                   | 10/17/1972                     | Edwards  |  |
|                       | AK                       | 3,751,715       |                                   | 08/07/1973                     | Edwards  |  |
|                       | AL                       | 3,896,347       |                                   | 07/22/1975                     | Gelfand  |  |
|                       | AM                       | 3,936,635       |                                   | 02/03/1976                     | Clark  |  |
|                       | AN                       | 3,983,393       |                                   | 09/28/1976                     | Thettu, et al.                                     |  |
|                       | AO                       | 4,008,057       |                                   | 02/15/1977                     | Gelfand, et al.                                    |  |
|                       | AP                       | 4,011,719       |                                   | 03/15/1977                     | Banks  |  |
|                       | AQ                       | 4,061,961       |                                   | 12/06/1977                     | Baker  |  |
|                       | AR                       | 4,086,650       |                                   | 04/25/1978                     | Davis, et al.                                      |  |
|                       | AS                       | 4,124,003       |                                   | 11/07/1978                     | Abe, et al.  |  |
|                       | AT                       | 4,162,144       |                                   | 07/24/1979                     | Cheney   |  |
|                       | AU                       | 4,231,766       |                                   | 11/04/1980                     | Spurgin  |  |
|                       | AV                       | 4,240,809       |                                   | 12/23/1980                     | Elsbernd, et al.                                   |  |
|                       | AW                       | 4,246,010       |                                   | 01/20/1981                     | Honacker   |  |
|                       | AX                       | 4,266,948       |                                   | 05/12/1981                     | Teague, et al.                                     |  |
|                       | AY                       | 4,267,502       |                                   | 05/12/1981                     | Reese, et al.                                      |  |
|                       | AZ                       | 4,292,493       |                                   | 09/29/1981                     | Selander, et al.                                   |  |
|                       | AA1                      | 4,335,414       |                                   | 06/15/1982                     | Weber  |  |
|                       | AB1                      | 4,351,648       |                                   | 09/28/1982                     | Penney   |  |
|                       | AC1                      | 4,379,129       |                                   | 04/05/1983                     | Abe  |  |
|                       | AD1                      | 4,388,274       |                                   | 06/14/1983                     | Rourke, et al.                                     |  |
|                       | AE1                      | 4,567,541       |                                   | 01/28/1986                     | Terai  |  |
|                       | AF1                      | 4,600,411       |                                   | 07/15/1986                     | Santamaria   |  |
|                       | AG1                      | 4,643,745       |                                   | 02/17/1987                     | Sakakibara, et al.                                 |  |
|                       | AH1                      | 4,673,416       |                                   | 06/16/1987                     | Sakakibara, et al.                                 |  |
|                       | AI1                      | 4,689,056       |                                   | 08/25/1987                     | Noguchi, et al.                                    |  |
|                       | AJ1                      | 4,719,535       |                                   | 01/12/1988                     | Zhenjun, et al.                                    |  |
|                       | AK1                      | 4,789,801       |                                   | 12/06/1988                     | Lee  |  |
|                       | AL1                      | 4,812,711       |                                   | 03/14/1989                     | Torok, et al.                                      |  |
|                       | AM1                      | 4,837,658       |                                   | 06/06/1989                     | Reale  |  |
|                       | AN1                      | 4,853,719       |                                   | 08/01/1989                     | Reale  |  |
|                       | AO1                      | 4,853,735       |                                   | 08/01/1989                     | Kodama, et al.                                     |  |
|                       | AP1                      | 4,924,937       |                                   | 05/15/1990                     | Beal, et al.                                       |  |
|                       | AQ1                      | 4,941,353       |                                   | 07/17/1990                     | Fukatsu, et al.                                    |  |
|                       | AR1                      | 4,980,611       |                                   | 12/25/1990                     | Orenstein  |  |
|                       | AS1                      | 4,996,473       |                                   | 02/26/1991                     | Markson, et al.                                    |  |
|                       | AT1                      | 5,012,159       |                                   | 04/30/1991                     | Torok, et al.                                      |  |

*Replaced with the listing of IDS faxed to the Examiner on 9-23-02*



Approved for use through 10/31/2002 OMB 0651-0031  
U. S. Patent and Trademark Office: U. S. DEPARTMENT OF COMMERCE  
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/PTO

## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Sheet

2

of

3

### Complete if Known

|                        |                            |
|------------------------|----------------------------|
| Application Number     | 09/419,720                 |
| Filing Date            | October 14, 1999           |
| First Named Inventor   | Dr. Igor A. Krichtafovitch |
| Art Unit               | 2821                       |
| Examiner Name          | E. Alemu                   |
| Attorney Docket Number | 432,002/10101579           |

|     |              |            |                  |  |
|-----|--------------|------------|------------------|--|
| AU1 | 5,024,685    | 06/18/1991 | Torok, et al.    | <i>listing<br/>DS faxed<br/>to the Examiner<br/>on 9/23/02</i> |
| AV1 | 5,055,118    | 10/08/1991 | Nagoshi, et al.  |  |
| AW1 | 5,077,500    | 12/31/1991 | Torok, et al.    |  |
| AX1 | 5,155,531    | 10/13/1992 | Kurotori, et al. |  |
| AY1 | 5,245,692    | 09/14/1993 | Kawai            |  |
| AZ1 | 5,330,559    | 07/19/1994 | Cheney, et al.   |  |
| AA2 | 5,469,242    | 11/21/1995 | Yu, et al.       |  |
| AB2 | 5,474,599    | 12/12/1995 | Cheney, et al.   |  |
| AC2 | 5,556,448    | 09/17/1996 | Cheney, et al.   |  |
| AD2 | 5,667,564    | 09/16/1997 | Weinberg         |  |
| AE2 | 5,707,428    | 01/13/1998 | Fedlman, et al.  |  |
| AF2 | 5,769,155    | 06/23/1998 | Ohadi, et al.    |  |
| AG2 | 5,578,112    | 11/26/1996 | Krause           |  |
| AH2 | 5,814,135    | 09/29/1998 | Weinberg         |  |
| AI2 | 5,827,407    | 10/27/1998 | Wang, et al.     |  |
| AJ2 | 5,892,363    | 04/06/1999 | Roman            |  |
| AK2 | 5,899,666    | 05/04/1999 | Chung, et al.    |  |
| AL2 | 5,951,957    | 09/14/1999 | Simpson          |  |
| AM2 | 5,973,905    | 10/26/1999 | Shaw             |  |
| AN2 | 5,982,102    | 11/09/1999 | Andzej           |  |
| AO2 | 5,993,521    | 11/30/1999 | Loreth, et al.   |  |
| AP2 | 6,042,637    | 03/28/2000 | Weinberg         |  |
| AQ2 | 6,056,808    | 05/02/2000 | Krause           |  |
| AR2 | 6,084,350    | 07/04/2000 | Ezaki, et al.    |  |
| AS2 | 6,145,298    | 11/14/2000 | Burton           |  |
| AT2 | 6,152,146    | 11/28/2000 | Taylor, et al.   |  |
| AU2 | 6,167,196    | 12/26/2000 | Huggins, et al.  |  |
| AV2 | 6,176,977-B1 | 01/23/2001 | Taylor, et al.   |  |
| AW2 | 6,182,671-B1 | 02/06/2001 | Taylor, et al.   |  |
| AX2 | 6,200,539-B1 | 03/13/2001 | Sherman, et al.  |  |
| AY2 | 6,203,600-B1 | 03/20/2001 | Loreth           |  |
| AZ2 | 6,210,642-B1 | 04/03/2001 | Lee, et al.      |  |
| AA3 | 6,245,126-B1 | 06/12/2001 | Feldman, et al.  |  |
| AB3 | 6,245,132-B1 | 06/12/2001 | Feldman, et al.  |  |
| AC3 | 6,313,064-B1 | 11/06/2001 | Miyafuji, et al. |  |



PTO/SB/08A (10-01)  
Approved for use through 10/31/2002. OMB 0651-0031  
U. S. Patent and Trademark Office: U. S. DEPARTMENT OF COMMERCE  
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

|   |   |                          |                            |                        |                  |
|---|---|--------------------------|----------------------------|------------------------|------------------|
| Substitute for form 1449A/PTO   |   | <b>Complete if Known</b> |                            |                        |                  |
|   |   | Application Number       | 09/419,720                 |                        |                  |
| <b>INFORMATION DISCLOSURE<br/>STATEMENT BY APPLICANT</b><br><br>(use as many sheets as necessary) |   | Filing Date              | October 14, 1999           |                        |                  |
|   |   | First Named Inventor     | Dr. Igor A. Krichtafovitch |                        |                  |
|   |   | Art Unit                 | 2821                       |                        |                  |
|   |   | Examiner Name            | E. Alemu                   |                        |                  |
| Sheet   | 3 | of                       | 3                          | Attorney Docket Number | 432.002/10101579 |

| FOREIGN PATENT DOCUMENTS |                          |   |                                |  |  |                |
|--------------------------|--------------------------|---|--------------------------------|--|--|----------------|
| Examiner<br>Initials*    | Cite<br>No. <sup>1</sup> | Foreign Patent Document   | Publication Date<br>MM-DD-YYYY | Name of Patentee or<br>Applicant of Cited Document | Pages, Columns, Lines,<br>Where Relevant<br>Passages or Relevant<br>Figures Appear | T <sup>6</sup> |
|                          |                          | Country Code <sup>3</sup> -Number <sup>4</sup> -Kind Code <sup>5</sup> (if known) |                                |  |  |                |
|                          |                          |   |                                |  |  |                |

|                       |  |                    |  |
|-----------------------|--|--------------------|--|
| Examiner<br>Signature |  | Date<br>Considered |  |
|-----------------------|--|--------------------|--|

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

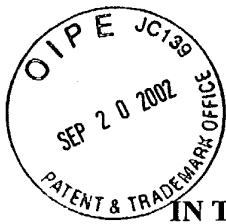
<sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See attached Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the application number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

| OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS |                          |  |                |
|---|--------------------------|--|----------------|
| Examiner<br>Initials                              | Cite<br>No. <sup>1</sup> | Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc), date, page(s), volume-issue number(s), publisher, city and/or country where published. | T <sup>2</sup> |
|   |                          |  |                |
|   |                          |  |                |

|                       |  |                    |  |
|-----------------------|--|--------------------|--|
| Examiner<br>Signature |  | Date<br>Considered |  |
|-----------------------|--|--------------------|--|

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> Applicant is to place a check mark here if English language Translation is attached.



Docket No.: 432.002/10101579  
(PATENT)

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re Patent Application of:  
Dr. Igor A. Krichtafovitch, et al.

Application No.: 09/419,720

Group Art Unit: 2821

Filed: October 14, 1999

Examiner: E. Alemu

For: ELECTROSTATIC FLUID ACCELERATOR

**INFORMATION DISCLOSURE STATEMENT (IDS)**

Commissioner for Patents  
Washington, DC 20231

Dear Sir:

Pursuant to 37 CFR 1.56, the attention of the Patent and Trademark Office is hereby directed to the references listed on the attached PTO/SB/08. It is respectfully requested that the information be expressly considered during the prosecution of this application, and that the references be made of record therein and appear among the "References Cited" on any patent to issue therefrom.

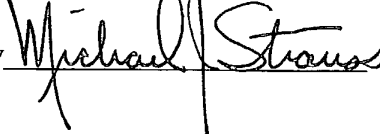
This Information Disclosure Statement is filed before mailing of any Final Action, Notice of Allowance, or an *Ex parte Quayle* Action.

A copy of each reference on PTO/SB/08 is attached.

The Commissioner is hereby authorized to charge the \$180.00 fee or any underpayment, or credit any overpayment, to our Deposit Account No. 06-2375, under Order No. 432.002/10101579. A duplicate copy of this paper is enclosed.

Dated: September 20, 2002

Respectfully submitted,

By 

Michael J. Strauss  
Registration No.: 32,443  
FULBRIGHT & JAWORSKI L.L.P.  
Market Square  
801 Pennsylvania Avenue, N.W.  
Washington, DC 20004-2615  
(202) 662-0200  
(202) 662-4643 (Fax)  
Attorneys for Applicant

Approved for use through 10/31/2002 OMB 0651-0031  
U. S. Patent and Trademark Office U. S. DEPARTMENT OF COMMERCE  
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number

|   |   |                          |                            |
|---|---|--------------------------|----------------------------|
| Substitute for form 1449A/PTO   |   | <b>Complete if Known</b> |                            |
| <b>INFORMATION DISCLOSURE<br/>STATEMENT BY APPLICANT</b><br><br>(use as many sheets as necessary) |   | Application Number       | 09/419,720                 |
|   |   | Filing Date              | October 14, 1999           |
|   |   | First Named Inventor     | Dr. Igor A. Krichtafovitch |
|   |   | Art Unit                 | 2821                       |
|   |   | Examiner Name            | E. Alemu                   |
| Sheet   | 1 | of                       | 3                          |
|   |   | Attorney Docket Number   | 432.002/10101579           |

| U.S. PATENT DOCUMENTS |          |   |                                |  |   |
|-----------------------|----------|---|--------------------------------|--|---|
| Examiner Initials*    | Cite No. | Document Number<br>Number-Kind Code* (if known) | Publication Date<br>MM-DD-YYYY | Name of Patentee or Applicant<br>of Cited Document | Pages, Columns, Lines,<br>Where Relevant<br>Paragraph or Reference<br>Figures Apper |
| EA                    | AA       | 1,888,606                                       | 11/22/1932                     | Nesbit   |   |
| EA                    | AB       | 2,949,550                                       | 08/16/1960                     | Brown  |   |
| EA                    | AC       | 3,108,394                                       | 10/29/1963                     | Ellman, et al.                                     |   |
| EA                    | AD       | 3,267,860                                       | 08/23/1966                     | Brown  |   |
| EA                    | AE       | 3,374,941                                       | 93/26/1968                     | Okress   |   |
| EA                    | AF       | 3,518,462                                       | 06/30/1970                     | Brown  |   |
| EA                    | AG       | 3,582,694                                       | 06/01/1971                     | Gourdine   |   |
| EA                    | AH       | 3,638,058                                       | 01/25/1972                     | Fritzius   |   |
| EA                    | AI       | 3,675,096                                       | 07/04/1972                     | Kiess  |   |
| EA                    | AJ       | 3,699,387                                       | 10/17/1972                     | Edwards  |   |
| EA                    | AK       | 3,751,715                                       | 08/07/1973                     | Edwards  |   |
| EA                    | AL       | 3,898,347                                       | 07/22/1975                     | Gelfand  |   |
| EA                    | AM       | 3,936,635                                       | 02/03/1976                     | Clark  |   |
| EA                    | AN       | 3,983,393                                       | 09/28/1976                     | Thettu, et al.                                     |   |
| EA                    | AO       | 4,008,057                                       | 02/15/1977                     | Gelfand, et al.                                    |   |
| EA                    | AP       | 4,011,719                                       | 03/15/1977                     | Banks  |   |
| EA                    | AQ       | 4,061,961                                       | 12/06/1977                     | Baker  |   |
| EA                    | AR       | 4,086,650                                       | 04/25/1978                     | Davis, et al.                                      |   |
| EA                    | AS       | 4,124,003                                       | 11/07/1978                     | Abe, et al.  |   |
| EA                    | AT       | 4,162,144                                       | 07/24/1979                     | Cheney   |   |
| EA                    | AU       | 4,231,766                                       | 11/04/1980                     | Spurgin  |   |
| EA                    | AV       | 4,240,809                                       | 12/23/1980                     | Eisbernd, et al.                                   |   |
| EA                    | AW       | 4,246,010                                       | 01/20/1981                     | Honacker   |   |
| EA                    | AX       | 4,268,948                                       | 05/12/1981                     | Teague, et al.                                     |   |
| EA                    | AY       | 4,267,502                                       | 05/12/1981                     | Reese, et al.                                      |   |
| EA                    | AZ       | 4,292,493                                       | 09/29/1981                     | Selander, et al.                                   |   |
| EA                    | AA1      | 4,335,414                                       | 06/15/1982                     | Weber  |   |
| EA                    | AB1      | 4,351,648                                       | 09/28/1982                     | Penney   |   |
| EA                    | AC1      | 4,379,129                                       | 04/05/1983                     | Abe  |   |
| EA                    | AD1      | 4,388,274                                       | 06/14/1983                     | Rourke, et al.                                     |   |
| EA                    | AE1      | 4,567,541                                       | 01/28/1986                     | Fera   |   |
| EA                    | AF1      | 4,600,411                                       | 07/15/1986                     | Santamaria   |   |
| EA                    | AG1      | 4,643,745                                       | 02/17/1987                     | Sakakibara, et al.                                 |   |
| EA                    | AH1      | 4,673,416                                       | 06/16/1987                     | Sakakibara, et al.                                 |   |
| EA                    | AI1      | 4,689,056                                       | 08/25/1987                     | Noguchi, et al.                                    |   |
| EA                    | AJ1      | 4,719,535                                       | 01/12/1988                     | Zhenjun, et al.                                    |   |
| EA                    | AK1      | 4,789,801                                       | 12/06/1988                     | Lee  |   |
| EA                    | AL1      | 4,812,711                                       | 03/14/1989                     | Torok, et al.                                      |   |
| EA                    | AM1      | 4,837,658                                       | 06/06/1989                     | Reale  |   |
| EA                    | AN1      | 4,853,719                                       | 08/01/1989                     | Reale  |   |
| EA                    | AO1      | 4,853,735                                       | 08/01/1989                     | Kodama, et al.                                     |   |
| EA                    | AP1      | 4,924,937                                       | 05/15/1990                     | Beal, et al.                                       |   |
| EA                    | AQ1      | 4,941,353                                       | 07/17/1990                     | Fukatsu, et al.                                    |   |
| EA                    | AR1      | 4,980,611                                       | 12/25/1990                     | Orenstein  |   |
| EA                    | AS1      | 4,996,473                                       | 02/26/1991                     | Markson, et al.                                    |   |
| EA                    | AT1      | 5,012,159                                       | 04/30/1991                     | Torok, et al.                                      |   |
| EA                    | AU1      | 5,024,685                                       | 06/18/1991                     | Torok, et al.                                      |   |



PTO/SB/09A (10-01)

Approved for use through 10/31/2002 OMB 0851-0031

U. S. Patent and Trademark Office U. S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995 no persons are required to respond to a collection of information unless it contains a valid OMB control number

|  |   |    |                          |                           |                  |
|--|---|----|--------------------------|---------------------------|------------------|
| Substitute for form 1449A/PTO  |   |    | <b>Complete if Known</b> |                           |                  |
| <b>INFORMATION DISCLOSURE<br/>STATEMENT BY APPLICANT</b><br><br><i>(use as many sheets as necessary)</i> |   |    | Application Number       | 09/419,720                |                  |
|  |   |    | Filing Date              | October 14, 1999          |                  |
|  |   |    | First Named Inventor     | Dr. Igor A. Krichtafovich |                  |
|  |   |    | Art Unit                 | 2821                      |                  |
|  |   |    | Examiner Name            | E. Alemu                  |                  |
| Sheet  | 2 | of | 3                        | Attorney Docket Number    | 432.002/10101579 |

|        |              |            |                    |
|--------|--------------|------------|--------------------|
| AV1    | 5,055,118    | 10/08/1991 | Nagoshi, et al.    |
| AW1    | 5,077,500    | 12/31/1991 | Torok, et al.      |
| EA AX1 | 5,155,531    | 10/13/1992 | Kurotori, et al.   |
| EA AY1 | 5,245,692    | 08/14/1993 | Kawai              |
| EA AZ1 | 5,330,559    | 07/19/1994 | Cheney, et al.     |
| EA AA2 | 5,469,242    | 11/21/1995 | Yu, et al.         |
| EA AB2 | 5,474,599    | 12/12/1995 | Cheney, et al.     |
| EA AC2 | 5,556,448    | 09/17/1996 | Cheney, et al.     |
| EA AD2 | 5,667,564    | 09/16/1997 | Weinberg           |
| EA AE2 | 5,797,426    | 01/13/1998 | Feldman, et al.    |
| EA AF2 | 5,769,155    | 06/23/1998 | Ohadi, et al.      |
| EA AG2 | 5,578,112    | 11/26/1996 | Krause             |
| EA AH2 | 5,814,135    | 09/29/1998 | Weinberg           |
| EA AI2 | 5,827,407    | 10/27/1998 | Wang, et al.       |
| EA AJ2 | 5,892,363    | 04/06/1999 | Roman              |
| EA AK2 | 5,899,666    | 05/04/1999 | Chung, et al.      |
| EA AL2 | 5,951,957    | 09/14/1999 | Simpson            |
| EA AM2 | 5,973,905    | 10/26/1999 | Shaw               |
| EA AN2 | 5,982,102    | 11/09/1999 | Andzej             |
| EA AO2 | 5,993,521    | 11/30/1999 | Loreth, et al.     |
| EA AP2 | 6,042,637    | 03/28/2000 | Weinberg           |
| EA AQ2 | 6,056,808    | 05/02/2000 | Krause             |
| EA AR2 | 6,084,350    | 07/04/2000 | Ezaki, et al.      |
| EA AS2 | 6,145,298    | 11/14/2000 | Burton             |
| EA AT2 | 6,152,146    | 11/28/2000 | Taylor, et al.     |
| EA AU2 | 6,167,196    | 12/26/2000 | Huggins, et al.    |
| EA AV2 | 6,176,977-B1 | 01/23/2001 | Taylor, et al.     |
| EA AW2 | 6,182,671-B1 | 02/06/2001 | Taylor, et al.     |
| EA AX2 | 6,200,539-B1 | 03/13/2001 | Sherman, et al.    |
| EA AY2 | 6,203,600-B1 | 03/20/2001 | Loreth             |
| EA AZ2 | 6,210,642-B1 | 04/03/2001 | Lee, et al.        |
| EA AA3 | 6,245,126-B1 | 06/12/2001 | Feldman, et al.    |
| EA AB3 | 6,245,132-B1 | 06/12/2001 | Feldman, et al.    |
| EA AC3 | 6,313,064-B1 | 11/06/2001 | Miyafuji, et al.   |
| EA AD3 | 4,313,741    | 02/02/1982 | Masuda, et al.     |
| EA AE3 | 4,390,831    | 06/28/1983 | Byrd, et al.       |
| EA AF3 | 4,843,745    | 02/17/1987 | Sakakibara, et al. |
| EA AG3 | 4,689,056    | 08/25/1987 | Noguchi, et al.    |
| EA AH3 | 4,812,711    | 03/14/1989 | Torok, et al.      |

PTO/SB/08A (10-01)

Approved for use through 10/31/2002 OMB 0651-0031  
U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

|   |   |    |                          |                            |                  |
|---|---|----|--------------------------|----------------------------|------------------|
| Substitute for form 1449A/PTO   |   |    | <b>Complete if Known</b> |                            |                  |
| <b>INFORMATION DISCLOSURE<br/>STATEMENT BY APPLICANT</b><br><br>(use as many sheets as necessary) |   |    | Application Number       | 09/419,720                 |                  |
|   |   |    | Filing Date              | October 14, 1999           |                  |
|   |   |    | First Named Inventor     | Dr. Igor A. Krichtafovitch |                  |
|   |   |    | Art Unit                 | 2821                       |                  |
|   |   |    | Examiner Name            | E. Alemu                   |                  |
| Sheet   | 3 | of | 3                        | Attorney Docket Number     | 432.002/10101579 |

| FOREIGN PATENT DOCUMENTS |                       |  |                                |  |  |                |
|--------------------------|-----------------------|--|--------------------------------|--|--|----------------|
| Examiner Initials*       | Cite No. <sup>1</sup> | Foreign Patent Document<br>Country Code <sup>2</sup> -Number <sup>3</sup> -Kind Code <sup>4</sup> (if known) | Publication Date<br>MM-DD-YYYY | Name of Patentee or<br>Applicant of Cited Document | Pages, Columns, Lines,<br>Where Relevant<br>Passages or Relevant<br>Figures Appear | T <sup>5</sup> |
|                          |                       |  |                                |  |  |                |

|                    |                     |                 |         |
|--------------------|---------------------|-----------------|---------|
| Examiner Signature | <i>Ephrem Alemu</i> | Date Considered | 9-26-02 |
|--------------------|---------------------|-----------------|---------|

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See attached Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 801.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST 3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the application number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

| OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS |                       |   |                |
|---|-----------------------|---|----------------|
| Examiner Initials*                                | Cite No. <sup>1</sup> | Include name of the author (in CAPITAL LETTERS); title of the article (when appropriate); title of the item (book, magazine, journal, serial, symposium, catalog, etc); date, page(s), volume-issue number(s), publisher, city and/or country where published | T <sup>2</sup> |
|   |                       |   |                |

|                    |  |                 |  |
|--------------------|--|-----------------|--|
| Examiner Signature |  | Date Considered |  |
|--------------------|--|-----------------|--|

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> Applicant is to place a check mark here if English language Translation is attached.

# Changes to the Patent Rules

October 24, 2000

Volume 1, Issue 3

This is the third in a series of Patent News Bulletins to assist you in keeping up to date with significant rule changes which affect your area. Keep this copy to use as a bookmark for your present MPEP, or view this bulletin again on the USPTO Website.

## Simplified Amendment Practice.

Replacement paragraphs/sections/claims to be used. 37 CFR 1.121



The rule package "Changes to the Patent Rules" published in the Federal Register on September 8, 2000, 65 Fed. Reg. 54603 (Sept. 8, 2000), and the Official Gazette on September 19, 2000, 1338 Off. Gaz. Pat. Office 27 (September 19, 2000). The PRG rule package makes a number of revisions to Title 37.

The entire final rule may be found at the USPTO Website at <http://www.uspto.gov/web/offices/learn/ola/phy/index.html>.

Areas and individuals primarily affected by this rule change include:

- (1) Patent Examiners and Tech Support Staff in the Technology Centers
- (2) Office of Patent Publication

Any questions related to this change in practice should be directed to:

Joe Naravogis,  
Special Projects Exr.,  
(703-305-1795)  
OPLA



Mandatory compliance with the revised rule is not required until March 1, 2001. It is suggested that applicants adopt the revised procedures on or after November 7, 2000, in order to adjust to the changes in amendment practice.

Under the new amendment practice, amendments to the specification must be made by the submission of clean new or replacement paragraph(s), section(s), specification, or claim(s). This practice will provide a specification (including claims) in clean, or substantially clean, form that can be effectively captured and converted by optical character recognition (OCR) scanning during the patent printing process.

The new practice requires applicant to provide, in addition to the clean version of a replacement paragraph/section/claim, a marked-up version using applicant's choice of a conventional marking system to indicate the changes, which will aid the examiner in identifying the changes that have been made. The marked-up version must be based on the previous version and indicate (by markings) how the previous version has been modified to produce the clean version submitted in the current amendment. The term "previous version" means the version of record in the application as originally filed or from a previously entered amendment.

The following format is suggested in an amendment paper: (1) a clean version of each replacement paragraph/section/claim with clear instructions for entry; (2) starting on a separate page, any remarks/arguments (37 CFR 1.111); and (3)

starting on a separate page, a marked-up version entitled "Version with markings to show changes made."

Applicants will also be able to submit a clean set of all pending claims, consolidating all previous versions of pending claims from a series of separate amendments into a single clean version in a single amendment paper. This submission of a clean version of all of the pending claims will be construed as directing the cancellation of all previous versions of any pending claims. No marked-up version will be required to accompany the clean version where no changes other than the consolidation are being made.

*Amendment by  
paragraph/claim  
replacement in clean form.*

The amended rule encourages issuance of applications with an examiner's amendment without practitioners/applicants having to file a formal amendment. Additions or deletions of subject matter in the specification, including

the claims, may continue to be made in an examiner's amendment at the time of allowance by instructions to make any change at a precise location in the specification or the claims. An examiner's amendment may incorporate a printed copy of a fax or e-mail amendment submitted by applicant. Only that part of the e-mail or fax directed to a clean version, or a portion of, a paragraph/claim to be added should be printed and attached to the examiner's amendment, with a paper copy of the entire e-mail or fax being entered in the file. The electronic version of the e-mail is not required to be saved once the printed e-mail (and any attachments) becomes part of the application file record.

MPEP 714+ & 1302.04